

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application

Ranjan RAY et al.

Serial No.: To be assigned (Continuation of US 10/443,807 filed May 23, 2003)

Filed: October 1, 2003

For: CENTRIFUGAL CASTING OF TITANIUM ALLOYS WITH IMPROVED SURFACE QUALITY, STRUCTURAL INTEGRITY AND MECHANICAL PROPERTIES IN ISOTROPIC GRAPHITE MOLDS UNDER VACUUM

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rules 56 and 98, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449. These references are cited in the parent application. Thus, copies of these references are not enclosed.

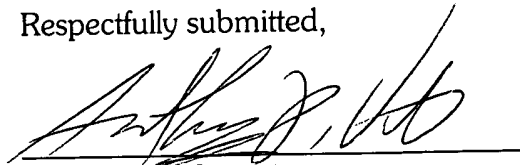
Applicants present these references so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that these references be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

Date:

Oct. 1, 2003

By:



Anthony P. Venturino
Registration No. 31,674

APV/kag
ATTORNEY DOCKET NO. APV31204CIPA

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.
1615 L STREET, N.W., SUITE 850
WASHINGTON, D.C. 20036
TEL. 202-785-0100 / FAX. 202-408-5200

FORM PTO-1449 U.S. Department of Commerce
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
APV31204CIPA

SERIAL NO.
To be assigned
(Continuation of USSN
10/443,807 filed 05/23/03)

APPLICANT
Ranjan RAY et al.

FILING DATE
October 1, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2 9 7 7 2 2 2	03/61	Bieber			
	3 2 4 1 2 0 0	03/66	Lirones			
	3 2 4 3 7 3 3	03/66	Hosman			
	3 2 6 5 5 7 4	08/66	Scolari			
	3 2 6 6 1 0 6	08/66	Lirones			
	3 2 9 6 6 6 6	01/67	Lirones			
	3 2 5 7 6 9 2	06/66	Operhall			
	3 3 2 1 0 0 5	05/67	Lirones			
	3 3 8 9 7 4 3	06/68	Morozov et al.			
	3 4 8 5 2 8 8	12/69	Zusman et al.			
	3 5 1 9 5 0 3	07/70	Moore et al.			
	3 5 4 7 6 7 6	12/70	Bokros et al.			
	3 9 0 0 5 4 0	08/75	Robba et al.			
	4 2 0 9 3 4 8	06/80	Duhl et al.			
	4 2 2 6 9 0 0	10/80	Carlson et al.			
	4 4 5 3 9 8 5	06/84	Gessinger et al.			
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	4 5 7 9 6 0 2	01/86	Paulonis et al.			
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	5 6 3 0 4 6 5	05/97	Feagin			
	5 7 0 5 1 3 9	01/98	Stiller et al.			

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	5 1 6 3 4 9 8	11/92	Kantner et al.			
	3 6 8 3 9 9 6	08/72	Dunlop			
	3 5 6 7 8 9 6	03/71	Chang			
	4 0 0 5 1 6 3	01/77	Bokros			
	4 7 6 1 2 7 2	08/88	Hucke			
	5 9 2 4 4 7 0	07/99	Costilla-Vela et al.			
	5 9 6 4 0 9 1	10/99	Fukui et al.			
	4 1 2 9 4 6 2	12/78	Korenko			
	5 1 7 6 7 6 2	01/93	Berczik			
	5 4 8 9 4 1 1	02/96	Jha et al.			
	5 0 2 6 5 2 1	06/91	Kajimura et al.			
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	5 2 2 6 9 4 6	07/93	Diehm et al.			
	4 6 7 0 2 0 1	06/87	Montgomery et al.			
	4 2 2 6 9 0 0	10/80	Carlson et al.			
	3 7 1 8 7 2 0	02/73	Lambdin, Jr. et al.			
	3 4 9 2 1 9 7	01/70	Olstowski et al.			
	3 7 8 1 1 5 8	12/73	Leghorn			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	4 6 7 0 2 0 1	06/87	Montgomery et al.			
	4 7 6 1 2 7 2	08/88	Hucke			
	3 7 1 8 7 2 0	02/73	Lambdin, Jr. et al.			
	3 2 5 6 5 7 4	06/66	Lirones			

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						YES	NO
6	0 0 4 0 6 4 4	03/85	JP			Abstract Only	
5	5 1 4 9 7 4 7	11/80	JP			Abstract Only	
	1 3 0 6 6 4 1	04/87	SU				X

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	USSN 10/143,920, Ranjan RAY et al., filed May 14, 2002
	USSN 10/151,871, Ranjan RAY et al., filed May 22, 2002
	USSN 60/463,736, Ranjan RAY et al., filed April 18, 2003

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